No 5th RA
RA bill

Original/Duplicate/Triplicate
CONTRACT CERTIFICATE
(For Other Works)

SBR No : 000060/22-23
Date : 07/1/2023

Division Electrical (Dasarahalli) JOB NO :015-22-000002 Sub-Division Electricals
Head of Account : P0300 M & R to street lights-Replacement of burnt bulbs etc
Bill Received No. Dated Book Voucher No..... Dated...
Schedule Docket Name of Work :- Annual Maintenance of street lights package D-5 in T Dasarahalli ward no 15
Bill Period:01.12.2022 to 31.12.2022(1 Months)
Name of Contractor and Full Address - M/s. PRASHANTH ELECTRICALS)
Reference to Agreement No:- EE/Ele/DZ/TEND/AG/000013/21-22 Date 16.03.2022
Reference to Work order No.- EE/Ele/DZ/TEND/WO/000005/22--23 Date 04.04.2022

BR No. 000060/22-23
Date : 07/1/2023

Certified that the measurements were taken by me on 2/1/2023 and recorded of Pages 6895 to 9525 of Measurement Book No. 5896/21-23 And that the work is satisfactorily executed.

For PRASHANTH ELECTRICALS
Contractor

Officer-in-charge of work
JUNIOR ENGINEER (Ele)

PROPRIETOR

Certified that the measurement were taken by me on 03/1/2023 and found correct. The work is satisfactorily executed.

Certified that the quantities of materials shown in column 3 of Account have been actually brought to site of the work and the contractor has not previously received any advance on this security. These materials are of and imperishable nature and are all required for immediate use on the work in connection with items for finished work have been agreed upon. A normal agreement signed and executed by the contractor is recorded in the office.

Sub-Division Officer

II Memorandum of Payment

1) Total value of work done or supplies made as per account within ASST. EXECUTIVE ENGINEER (Ele) upto bill 107842/=00
2) Deduct amount to be held in reserve being ..... percent Rs. ..... Previous 95954/=00
3) " Balance Bruhath Bangalore Mahanagara Palike Present 11887/=00
Dasarahalli Zone, Bangalore
4) Deduct Payment TWD 11419/=00
a) Amount of previous payment as in the Office Cash Book Voucher No.....Dated.....S.D. No..... Amount
adjusted towards cash advance recovery of
b) Payments Now made } cost store or other material supplied. recovery of amount creditable to this/other work Amount paid on this bill Cheque / Cash.
5) Balance being unpaid value of work done held in reserve.
6) Deduct cash advance made on the Office cash Book Voucher No..... dated ..... less adjustments.
7) Net amount due to or from Contractor adjustments items.
8) Advance to Contractor for materials brought to site (as detailed) within. Value of Government materials supplied.

IT(1%)	1142/=00
EdST	1142/=00
SeST	1142/=00
LWC	1142/=00
CBF	114/=00
Scrap	2377/=00
un Fine	2300/=00
deduction	9359/=00
chequt	109513/=00

Total amount adjusted -

For PRASHANTH ELECTRICALS
Contractor's Signature

PROPRIETOR

Received Rs ..... (in words).....
by cash and by adjustment of Payment as per memorandum (in final settlement of all demands)

Witness
1
2
Dated
Paid by me by Cheque No.
Cash Rs
Dated
Initials of Officer making payment

For PRASHANTH ELECTRICALS
Signature of Contractor
Stamp
Dated
PROPRIETOR

Audited and admitted for Rs. 11887/2/-
(For use in the Office)
Passed by Cheque for Rs. 109513/-
(1. One lakh nine thousand five hundred thirteen only
by adjustment Rs. 9359/-

Accounts Superintendent
Exc. Engineer (E)

B.B.M.P. Dasarahalli Division

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Sl No	Description of Item	Unit	Previous Measurement		Present Measurement			Total Upto Date		Remarks
			Qty	Cost	Qty		Rate Rs P	Amount	Qty	Cost	
	Name of work :-Annual Maintanance of street lights package D-5 In T. Dasarahalli ward no 15						1 Months		Upto Date paid so for X 9months		
1	Operation and Maintenance of street lighting system including replacement of damaged/failed/fused out components like Lamps, Tubes, Chokes, Ignitors, Capacitors, Switches, wires, Holders, Starters, and switching ON/OFF of street lights at specified timing and Pole numbering. Preparing ward wise, street wise data bank, furnishing maintenance reports, every day etc, complete so as to ensure efficient burning of street lights detailed in tender documents for various type of street lighting systems as detailed below. 36/40 W fluorescent tube light street lighting system.	Each	30X8Months	8568.00	0	685.45/12= 57.12	57.12	0.00	30X9Months	8568.00	
2	Operation and Maintenance of street lighting system including replacement of damaged/failed/fused out components like Lamps, Tubes, Chokes, Ignitors, Capacitors, Switches, wires, Holders, Starters, and switching ON/OFF of street lights at specified timing and Pole numbering. Preparing ward wise, street wise data bank, furnishing maintenance reports, every day etc, complete so as to ensure efficient burning of street lights detailed in tender documents for various type of street lighting systems as detailed below. 125W HPMV Park lighting system.	Each	12X8Months	6049.92	12	750.29/12= 63.02	63.02	756.24	12X9Months	6805.16	
3	Operation and Maintenance of street lighting system including replacement of damaged/failed/fused out components like Lamps, Tubes, Chokes, Ignitors, Capacitors, Switches, wires, Holders, Starters, and switching ON/OFF of street lights at specified timing and Pole numbering. Preparing ward wise, street wise data bank, furnishing maintenance reports, every day etc, complete so as to ensure efficient burning of street lights detailed in tender documents for various type of street lighting systems as detailed below.Poles with 250W HPSV street lighting system.	Each	851X8Months	578339.60	851	1019.41/12 =84.95	84.95	72292.45	851X9Months	650632.05	
4	Operation and Maintenance of street lighting system including replacement of damaged/failed/fused out components like Lamps, Tubes, Chokes, Ignitors, Capacitors, Switches, wires, Holders, Starters, and switching ON/OFF of street lights at specified timing and Pole numbering. Preparing ward wise, street wise data bank, furnishing maintenance reports, every day etc, complete so as to ensure efficient burning of street lights detailed in tender documents for various type of street lighting systems as detailed below.400 watts HPSV street light /High mast lighting system.	Each	36X8Months	26832.96	36	1118.08/12 =93.17	93.17	3354.12	36X9Months	30187.08	
5	Operation and Maintenance of LED street lighting system including replacement of damaged/failed/fused out components like LED drivers, MCPCB, surge protective device, Switches, wires, Holders, Starter observing weather proofing technic confirming to IP 65 standards and, switching ON/OFF of street lights at specified timing and Pole numbering. Preparing ward wise, street wise street light data bank, furnishing maintenance reports every day etc, complete so as to ensure efficient burning of street lights detailed in tender documents for 24 Watt to 40 Watt LED Park/ street lighting system.	Each	473X8Months	277480.72	473	880.01/12= 73.33	73.33	34685.09	473X9Months	312165.81	
6	Operation and Maintenance of LED street lighting system including replacement of damaged/failed/fused out components like LED drivers, MCPCB, surge protective device, Switches, wires, Holders, Starter observing weather proofing technic confirming to IP 65 standards and, switching ON/OFF of street lights at specified timing and Pole numbering. Preparing ward wise, street wise street light data bank, furnishing maintenance reports every day etc, complete so as to ensure efficient burning of street lights detailed in tender documents for 40 Watt to 65 W LED street Light lighting system.	Each	49X8Months	37479.12	49	1147.43/12 =95.61	95.61	4684.89	49X9Months	42164.01	
7	Operation and Maintenance of LED street lighting system including replacement of damaged/failed/fused out components like LED drivers, MCPCB, surge protective device, Switches, wires, Holders, Starter observing weather proofing technic confirming to IP 65 standards and, switching ON/OFF of street lights at specified timing and Pole numbering. Preparing ward wise, street wise street light data bank, furnishing maintenance reports every day etc, complete so as to ensure efficient burning of street lights detailed in tender documents for 90W LED street light lighting system.	Each	27X8Months	24798.96	27	1377.66/12 =114.81	114.81	3099.87	27X9Months	27898.83	
8	Operation and Maintenance of LED street lighting system including replacement of damaged/failed/fused out components like LED drivers, MCPCB, surge protective device, Switches, wires, Holders, Starter observing weather proofing technic confirming to IP 65 standards and, switching ON/OFF of street lights at specified timing and Pole numbering. Preparing ward wise, street wise street light data bank, furnishing maintenance reports every day etc, complete so as to ensure efficient burning of street lights detailed in tender documents for110/120 watt LED street light lighting system.	Each	0	0.00	0	0	0	0.00	0	0.00	
9	Operation and Maintenance of LED street lighting system including replacement of damaged/failed/fused out components like LED drivers, MCPCB, surge protective device, Switches, wires, Holders, Starter observing weather proofing technic confirming to IP 65 standards and, switching ON/OFF of street lights at specified timing and Pole numbering. Preparing ward wise, street wise street light data bank, furnishing maintenance reports every day etc, complete so as to ensure efficient burning of street lights detailed in tender documents for 150/180 watt LED street light /High mast lighting system.	Each	0	0.00	0	0	0	0.00	0	0.00	

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10	Supply and Installation / Fixing / Provision of Outdoor type Thermoplastic Modular Panel enclosure with transparent Polycarbonate Lid, shock proof, IP65 (Weather Proof), rust proof, dust proof, water proof, corrosion proof having internally Embedded gasket on both lid and flap suitable to fix Single Phase / Three Phase Energy Meter in suitable base plate and having a provision for Fuse / MCB cutout with suitable transparent hinged flap opening for operating MCB along with complete tamper proof SEALING facility 300mmx450mmx214mm	Each	0	0	0	0	0.00	0.00	0	0.00	
11	Supply and fixing of 4pole power contactor with NO/NC contacts on existing wood/panel board using necessary bolts, nuts, washers and wiring etc., complete with AC-3 Rating and as per IS-13947 100 to 125Amps	Each	0	0	0	0	0.00	0.00	0	0.00	
12	Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' Type curve, indicator ON/OFF, energy cross-3 with Short circuit breaking capacity of 10K and complete wiring as required confirming to IEC 60898 50-63 Amps SP	Each	0	0	0	0	0.00	0.00	0	0.00	
13	Supplying and fixing Microprocessor Based Astronomical timer Switch with using necessary bolts, nuts and washers	Each	0	0	0	0	0.00	0.00	0	0.00	
14	Wiring for lighting/power circuit using one of FRLS PVC insulated 1100V grade, multistrand copper wire with low conductor resistance single core in open or concealed system of wiring with specified IS-694 confirming to latest amendments 6 sqmm	Mtr	0	0	0	0	0.00	0.00	0	0.00	
15	Supplying tinned copper lugs and crimping and wiring to terminal point for wire of the following sizes 6 sqmm	Each	0	0	0	0	0.00	0.00	0	0.00	
16	1.1 kV LT Aerial Bunched Cable, confirming to IS-14255, 1995 XLPE insulation Parameter shall be as below 1. Hot Set Test a) Elongation under Load 50% (Max) b) Permanent Elongation After Cooloing 3% (Max) 2. Thermal Aging in oven a) Tensile Strength 16 N/mm^2 (Min) b) Elongation 375% (Min) 3. Water Absorption Test a) Water absorbed 0.5 mg/cm^2 (Max) 4. Carbon Black Content shall be ranging from 2% to 2% 3x25 + 1x25 + 1x16 Sqmm Street light (Insulated Messenger cum Neutral)	Km	0	0	0	0	0.00	0.00	0	0.00	
17	Stringing of 1.1 kV grade Aerial Bunched 3 Core cable of XLPE insulation of size (3x95) (Phase Conductor) + (1x70) (Insulated Messenger Neutral) + (1x25) (Street Light Control)	Km	0	0	0	0	0.00	0.00	0	0.00	
18	Supplying of 1.1 KV, LT UG cable XLPE or Heat resistant PVC insulated, PVC extruded Inner sheath armoured UG LT cable as per IS-1554 (Part-1) or IS-7098 Part-1. Armouring strip thickness in average +5% and resistivity 14 Ohms/Kms (Max) as per IS-3975 4 core 16 sqmm	Mtrs	0	0	0	0	0.00	0.00	0	0.00	
19	Labour charges for laying of 1.1 KV class UG cable in existing trench GI pipe / stoneware pipe / on wall / on pole as required On wall /Structure 6 sqmm to 16 sqmm	Mtrs	0	0	0	0	0.00	0.00	0	0.00	
	Sub Total			959549.28				118872.66		1078421.94	
	Add GST 12 % on item no 10 to 19			0.00				0.00		0.00	
	Total			959549.28				118872.66		1078421.94	
	Fine imposed for non burning of street lights For the period of 01.12.2022 to 31.12.2022 and GPS time violation. Penalty for the present bill			12600.00				2300.00		14900.00	
	As per street light agreement clause 2 % will be deducted in monthly maintenance bill against the released scrap material			19190.99				2377.45		21568.44	
	GRAND TOTAL			927750.29				114195.21		1041953.50	

Certificate

1. The above said monthly maintenance work has been carriedout satisfactorily

JUNIOR ENGINEER (Ele)
Bruhath Bangalore Mahanagara Palike
Dasarahalli Zone, Bangalore

ASST EXECUTIVE ENGINEER (Ele)
Bruhath Bangalore Mahanagara Palike
Dasarahalli Zone, Bangalore

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